CLAIMS

1. A reaction disk for an automatic analyzer, comprising a separation cell and a determination cell provided in a same reaction disk keeping both cells in upright position even during rotation thereof, wherein the separation cell is formed to prevent a suspension from flowing out during centrifugal separation, and supernatant separated by centrifugation from the suspension contained in the separation cell is dispensed to the determination cell, thus enabling to analyze a target substance in the supernatant.

2. The reaction disk according to claim 1, wherein a single motor is arranged to change the rotational speed so as to rotate at a high speed for rotating the separation cell for separation and at a low speed (for positioning) for rotating the determination cell for determination; or a motor for separation and a motor for determination are arranged to be switched from each other.

3. The reaction disk according to claim 1, wherein the separation cell is provided with an insoluble matter collection zone and with a lid at an upper portion of the separation cell above the insoluble matter collection zone to partially cover the separation cell to prevent the suspension from flowing out during centrifugal separation.

4. The reaction disk according to claim 1, further comprising a dilution cell kept in upright position even during

rotation, wherein the dilution cell is formed to prevent poured dilution solution therein from flowing out during centrifugal separation, and the dilution solution in the dilution cell is arranged to be dispensed to the determination cell enabling to dilute the supernatant.

5. The reaction disk according to claim 4, wherein the dilution cell is provided with a lid at an upper portion of the dilution cell to partially cover the dilution cell to prevent the dilution solution from flowing out during centrifugal separation.

6. The reaction disk according to claim 1, wherein the suspension is blood containing blood cell as an insoluble matter, and the supernatant is plasma.

7. An automatic analyzer for a supernatant, comprising the reaction disk according to claim 1.

8. The automatic analyzer according to claim 7, wherein the suspension is blood containing- blood cell as an insoluble matter, and the supernatant is plasma.

9. A separation cell for separating an insoluble matter from suspension, comprising a shelf provided in a cell, wherein an upper portion of the shelf is an insoluble matter collection zone, an lower portion of the shelf is a supernatant separation zone, the cell is provided with a lid at an upper part of the cell above the insoluble matter collection zone to partially cover the cell to prevent the suspension therein

from flowing out during centrifugal separation, and the cell is used with keeping in upright position during centrifugal separation.

10. The separation cell according to claim 9, wherein the separation cell is formed by connecting the insoluble matter collection zone having a small cross sectional area with the supernatant separating zone having a large cross sectional area so that one side of the both zones are communicated with each other, the shelf is provided on the other side of the connecting part, and the upper part of the separation cell above the insoluble matter collection zone is covered partially by the lid.

11. The separation cell according to claim 9 or claim 10, wherein the shelf is provided in the separation cell pointing toward the rotational center.

12. The separation cell according to claim 9 or claim 10, wherein the suspension is blood, the insoluble matter is blood cell, and the supernatant is plasma.